

# Recombinant human PKIB protein

Catalog Number: ATGP0988

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-78aa

### UniProt No.

Q9C010

### NCBI Accession No.

NP\_861460.1

### Alternative Names

cAMP-dependent protein kinase inhibitor beta, FLJ23817, PRKACN2

## PRODUCT SPECIFICATION

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### Molecular Weight

10.6 kDa (98aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

1mg/ml (determined by BCA assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol/0.1M NaCl

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

PKIB, also known as cAMP-dependent protein kinase inhibitor beta, is a member of the cAMP-dependent protein kinase inhibitor family. This protein may interact with the catalytic subunit of cAMP-dependent protein kinase and act as a competitive inhibitor. At least three alternatively spliced transcript variants encoding the same protein have been reported. Recombinant human PKIB protein, fused to His-tag at N-terminus, was expressed in

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E. coli and purified by using conventional chromatography.

### Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MRTDSSKMTD VESGVANFAS SARAGRRNAL PDIQSSAATD GTSDLPLKLE  
ALSVKEDAKE KDEKTTQDQL EKPQNEEK

### General References

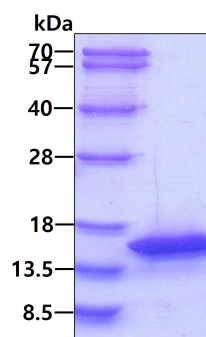
Zheng L. et al. (2000) Biochem J., 349:403-7.

Scarpetta MA et al. (1991) J Biol Chem. 268:10927-31.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.